CHG0030113 — [TITAN] Medium — network on fw-banking-api-ingress

Severity	Medium	Priority	3 - Moderate
Cloud	Multi	State	Assigned
Resource	fw-banking-api-ingress	Group	network_operations
Resource type	compute.googleapis.com/Firewall	Change type	Normal
Opened	2026-04-22 19:01:22	Closed	2026-04-22 19:01:22
CAB required	No	Close code	—

Security Finding

```
GCP firewall rule fw-banking-api-ingress allows 0.0.0.0/0 on 8080 — unencrypted API traffic
reachable from anywhere. Should be restricted to corporate egress + load-balancer only.
```

Justification

```
Medium: GCP firewall rule fw-banking-api-ingress allows 0.0.0.0/0 on 8080 — unencrypted API
traffic reachable from anywhere. Should be restricted to corporate egress + load-balancer only.
```

Implementation Plan

```
1. Pre-change snapshot captured by TITAN (auto-rollback available).
2. Execute fix command:
gcloud compute firewall-rules update fw-banking-api-ingress
--source-ranges=35.191.0.0/16,130.211.0.0/22,10.0.0.0/8
3. TITAN FORGE verifies the fix was applied.
4. Post-change rescan by TITAN SCOUT — finding must no longer appear.
5. Close ticket with Successful close_code.
```

Risk & Impact Analysis

```
Risk level: MEDIUM risk — weaker control, should be hardened.
Business impact if unremediated: Control weakness that compounds with other gaps.
Scope: single resource (fw-banking-api-ingress).
Blast radius: change is idempotent; pre-change snapshot captured by TITAN; auto-rollback available
if rescan fails.
Finding detail: GCP firewall rule fw-banking-api-ingress allows 0.0.0.0/0 on 8080 — unencrypted
API traffic reachable from anywhere. Should be restricted to corporate egress + load-balancer
only.
```

Backout / Rollback Plan

```
1. TITAN auto-captured snapshot of fw-banking-api-ingress before change (baseline:
titan-banking-demo-20260422T201922Z).
2. If post-change rescan still shows the finding OR a new issue appears within 15 min:
a. TITAN FORGE fires rollback automatically using stored snapshot.
b. Incident reopens and escalates to on-call.
3. Manual rollback command path (human override) is documented in close notes.
```

Test Plan

```
1. TITAN SCOUT rescans fw-banking-api-ingress immediately after FORGE applies the change.
2. PASS criteria: the specific finding no longer appears in SCOUT results.
```

```
3. PASS criteria: no new CRITICAL or HIGH findings introduced by the change.
4. Automated compliance check: HIPAA/PCI/SOC2 controls re-evaluated.
5. If any check fails, backout plan fires automatically.
```

Recommended Fix Command

```
gcloud compute firewall-rules update fw-banking-api-ingress
--source-ranges=35.191.0.0/16,130.211.0.0/22,10.0.0.0/8
```

Compliance Mapping

```
HIPAA §164.312(e)(1), PCI DSS 3.4, SOC 2 CC6.1, CIS Azure 6.2
```

AI Close Notes

```
TITAN CONDUIT opened this medium network change request and assigned it to the banking_compliance group for review. STATE: ASSIGNED — awaiting human action. Per TITAN AI policy (and Kazmi rule, 2026-04-22), configuration changes are NEVER auto-applied and change tickets are NEVER auto-closed by TITAN. The assigned group reviews the recommended fix, schedules a CAB-approved change window, applies the fix manually, validates via SCOUT rescan, and closes this ticket themselves. TITAN documents and routes — the human owns the change from here.
```